

Purchase Order Receipt Listing

Tuesday, February 02, 2016 8:44:41 AM

All Vendors PO ID PO31156 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name	VU-TWMM001	TW Metals									
PO31156	1		M6061T6T0.508W.0 f 58		2/4/2016	2/2/2016	108.0000		0.0000	0	\$0.00
USD	No		6061-T6 RD Tube .500 x.058W m134138		100.0000	PLOU01			0.0000	0	
	2		M6061T6T0.625W.0 f 65		2/4/2016	2/2/2016	60.0000		0.0000	0	\$0.00
	No		6061-T6 RD Tube .625 x.065W m134138		60.0000	PLOU01			0.0000	0	
	3		M6061T6T0.625W.1 f 25		2/4/2016	2/2/2016	48.0000		0.0000	0	\$0.00
	No		6061-T6 RD Tube 0.625 X.125W m134138		40.0000	PLOU01			0.0000	0	
	4		M304TR0.750W.034 f 304 RD Tube .750 x .049W m134138		2/4/2016	2/2/2016	80.0000		0.0000	0	\$0.00
	No				80.0000	PLOU01			0.0000	0	
	5		71401-45 PROCUREMENT QUALITY CLAUSES m134138		2/4/2016	2/2/2016	1.0000		0.0000	0	\$0.00
	No				1.0000	PLOU01			0.0000	0	

Total Received Quantity:
Total Qty to Inspect (PO U/M): 297.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$0.00
Total Balance Due Quantity: 0.0000



O'Neal High-Performance
Metals Group



PACKING SLIP

ORDER NO.: 60595752

FROM: CRAN

PAGE 1

CUST NUMBER: 1203820 NET WGT: 58.680 REQ.DATE: 02/04/16 CONFIRMED
SOLD TO: SHIP TO:
DART AEROSPACE LTD DART AEROSPACE LTD
1270 ABERDEEN ST 1270 ABERDEEN ST
HAWKESBURY ON HAWKESBURY ON
CANADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 01/28/16
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO31156 RELEASE NO.:
RECEIVING PHONE:

LINE	DESCRIPTION	WIDTH	LENGTH
0001	42276 D6061-T6 1/2 OD X .058 WA		12 FT ML

ORD QTY	INVOICE QTY	SHIPPED QTY	WT
108.000 FT	108.000 FT	108.000 FT	10.225

PCS
9

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00
PO:49320347 HT:32148312 PC: 9 CUSTOMER QTY: 108.000 UOM FT
MLT:UNITED STATES MFG:UNITED STATES SLB/CL:273278

0002	42558 D6061-T6 5/8 OD X .065 WA	12 FT ML
------	---------------------------------	----------

ORD QTY	INVOICE QTY	SHIPPED QTY	WT
60.000 FT	60.000 FT	60.000 FT	8.035

PCS
5

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00
PO:49312595 HT:F001645850001 PC: 1 CUSTOMER QTY: 12.000 UOM FT
MLT:UNITED STATES MFG:UNITED STATES SLB/CL:216031
PO:49334285 HT:F001942980001 PC: 4 CUSTOMER QTY: 48.000 UOM FT
MLT:UNITED STATES MFG:UNITED STATES SLB/CL:218488

0003	42588 D6061-T6 5/8 OD X .125	12 FT ML
------	------------------------------	----------

ORD QTY	INVOICE QTY	SHIPPED QTY	WT
48.000 FT	48.000 FT	48.000 FT	11.082

PCS
4

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00
PO:49330211 HT:F001858850001 PC: 4 CUSTOMER QTY: 48.000 UOM FT
MLT:UNITED STATES MFG:UNITED STATES SLB/CL:218040

8/16-22

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE
OF THESE PRODUCTS ARE SET FORTH ON THE
REVERSE SIDE FOR YOUR CAREFUL REVIEW.



O'Neal High-Performance
Metals Group



PACKING SLIP

ORDER NO.: 60595752

FROM: CRAN

PAGE 2

CUST NUMBER: 1203820

NET WGT:

58.680 REQ.DATE: 02/04/16 CONFIRMED

SOLD TO:

SHIP TO:

DART AEROSPACE LTD

DART AEROSPACE LTD

1270 ABERDEEN ST

1270 ABERDEEN ST

HAWKESBURY ON

HAWKESBURY ON

CANADA

CN K6A 1K7

ONTARIO CANADA

CN K6A 1K7

SALESPERSON:

DONNA SMALLEY

SHIP BY:

01/28/16

TERMS:

NET 30 DAYS

VIA:

COMMON CARRIER

F.O.B.:

SHIPPING POINT

FREIGHT:

PREPAID

CUST ORD NO.:

PO31156

RELEASE NO.:

RECEIVING PHONE:

LINE ITEM DESCRIPTION

WIDTH

LENGTH

0004 36860 SMLS CD 304/L A269 3/4 OD X .049 WA

20' CL

ORD QTY

INVOICE QTY

SHIPPED QTY

WT

PCS

80.000 FT

80.000 FT

80.000 FT

29.338

4

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: 2B999.g

Export License: NLR

Expiration Date: 0/00/00

PO:49330967 HT:YX1503612

PC: 4

CUSTOMER QTY:

80.000 UOM FT

MLT:CHINA

MFG:CHINA

SLB/CL:7-78

BROKERS KUEHNE AND NAGEL LTD

		PACK INFO				
AREA	TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH	HGHT
B	CARTON	1.000	67.000		12.5000	
B	CARTON	1.000			20.5000	
		2.000	67.000			

BY: NH

RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED

DATE FILLED

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE
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REVERSE SIDE FOR YOUR CAREFUL REVIEW.



PACKING SLIP

ORDER NO.: 60595752

FROM: CRAN

PAGE 3

CUST NUMBER: 1203820 NET WGT:

58.680 REQ.DATE: 02/04/16 CONFIRMED

SOLD TO:

SHIP TO:

DART AEROSPACE LTD

DART AEROSPACE LTD

1270 ABERDEEN ST

1270 ABERDEEN ST

HAWKESBURY ON

HAWKESBURY ON

CANADA

CN K6A 1K7

ONTARIO CANADA

CN K6A 1K7

SALESPERSON:

DONNA SMALLEY

SHIP BY:

01/28/16

TERMS:

NET 30 DAYS

27 ENGLEHARD DRIVE

F.O.B.:

SHIPPING POINT

MONROE TWP

NJ 08831

CUST ORD NO.:

PO31156

VIA:

COMMON CARRIER

FREIGHT:

PREPAID

RELEASE NO.:

RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk

Date: 1/28/16

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.



O'Neal High-Performance
Metals Group



PACKING SLIP

ORDER NO.: 60595746

FROM: CRAN

PAGE 1

CUST NUMBER: 8101027 **NET WGT:** **10.360** REQ.DATE: 02/02/16 CONFIRMED
SOLD TO: SHIP TO:
UNIVERSITY OF WI-MADISON UNIVERSITY OF WI-MADISON
WEI, GLBRC PURCHASING ROOM 3150 1415 ENGINEERING DR
1552 UNIVERSITY AVE MADISON WI 53706
MADISON WI 53726-4084

SALESPERSON: FRANK SPIEZIA SHIP BY: 01/28/16
TERMS: *CREDIT CARD SALE* VIA: WAREHOUSE CHOI
F.O.B.: DESTINATION FREIGHT: PREPAID
CUST ORD NO.: ALI HUSSAIN RELEASE NO.:
RECEIVING PHONE:

LINE	ITEM DESCRIPTION	WIDTH	LENGTH
0001	35714 SMLS CD 304/L A269 1/8 OD X .035 WA		17/24 FT

ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
100.000 FT	110.833 FT	110.833 FT	3.724	5

** 1 TEST REPORTS REQUIRED **

PO:49316141 HT:535320 PC: 5 CUSTOMER QTY: 110.833 UOM FT
MLT:SWEDEN MFG:UNITED STATES SLB/CL:GV407749/1

0002	35882 SMLS CD 304/L A269 1/4 OD X .028 WA	20' ML
------	---	--------

ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
100.000 FT	100.000 FT	100.000 FT	6.636	5

** 1 TEST REPORTS REQUIRED **

PO:49321355 HT:YX1402684 PC: 5 CUSTOMER QTY: 100.000 UOM FT
MLT:CHINA MFG:CHINA SLB/CL:11-165

AREA		TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH	HGHT
B		REDDICRATE	1.000	60.000		23.1670	
			1.000	60.000			

BY: WN
RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED _____

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE
OF THESE PRODUCTS ARE SET FORTH ON THE
REVERSE SIDE FOR YOUR CAREFUL REVIEW.



METALS
O'Neal High-Performance
Metals Group



PACKING SLIP

ORDER NO.: 60595746

FROM: CRAN

PAGE 2

CUST NUMBER: 8101027 NET WGT: 10.360 REQ.DATE: 02/02/16 CONFIRMED
SOLD TO: SHIP TO:
UNIVERSITY OF WI-MADISON UNIVERSITY OF WI-MADISON
WEI, GLBRC PURCHASING ROOM 3150 1415 ENGINEERING DR
1552 UNIVERSITY AVE MADISON WI 53706
MADISON WI 53726-4084

SALESPERSON: FRANK SPIEZIA SHIP BY: 01/28/16
TERMS: *CREDIT CARD SALE* 27 ENGLEHARD DRIVE
F.O.B.: DESTINATION MONROE TWP NJ 08831
CUST ORD NO.: ALI HUSSAIN
VIA: WAREHOUSE CHOI
FREIGHT: PREPAID
RELEASE NO.:
RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

THANK YOU FOR THIS ORDER

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REVERSE SIDE FOR YOUR CAREFUL REVIEW.



A COMPANY OF MUELLER INDUSTRIES

PRECISION TUBE CO.

287 WISSAHICKON AVE.
NORTH WALES PA 19454

Control No: 167716

CERTIFIED TEST REPORT

CUSTOMER PURCHASE ORDER NO.	CUST. ORD. NO.	PRECISION TUBE P/N
49320347 LINE 001	273278	24A050000580003

SOLD: TW METALS
TO 27 ENGLEHARD DRIVE
MONROE TWP, NJ 08831
UNITED STATES

SHIP: TW METALS
TO 27 ENGLEHARD DRIVE
MONROE TWP, NJ 08831
UNITED STATES

QUANTITY ORD.	DESCRIPTION	QTY. SHIPPED	DATE SHIPPED
3168 FT	METAL - 6061 ALUM TEMPER - T6 SPEC - AMS 4082P WW-T-700/6F AM 2 AMS-WW-T-700/6B ASTM-B-219-12 LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD 5000 +.0030 -.0030 ID WALL .0580 +.0040 -.0040	3000 FT	10/23/14

MECHANICAL PROPERTIES

SAMPLE #	TENSILE STRENGTH (P.S.I.)	YIELD STRENGTH (P.S.I.)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)
1	46,877	41,003	16		

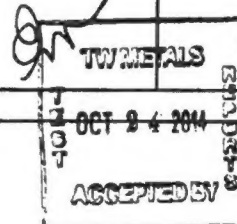
DESTRUCTIVE TESTS

FLATTENING: PASS

DAS
14
9-89

16/02/02

Comments:



NON-DESTRUCTIVE TESTS

EDDY CURRENT: PASS

CHEMICAL COMPOSITION

ALLOY:	6061	HEAT:	TRACEABILITY #: 32148312						
			RAW MATL VENDOR: PT43121 - Kaiser Aluminum						
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
Min	0.40		0.15		0.80	0.04			Rem.
Max	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	
OTHER ELEMENTS: 0.05 MAX EACH / 0.15 MAX TOTAL									

OTHER ELEMENTS: 0.05 MAX EACH / 0.15 MAX TOTAL

We hereby certify that the material has been manufactured and tested in accordance with the requirements of the applicable specifications and descriptions set forth on Precision Tube's sales acknowledgement. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employing a single boundary containment. Test results indicate that the material is compliant with the current revision of the RoHS Directive (2002/95/EU).

Melted and Manufactured in USA
QMS Registered to ISO 9001: 2008

By:

Art Onaitis

Art Onaitis
QA Manager

10/23/14

Page: 1 of 1

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
2425 STEVENS DRIVE
RICHLAND, WA 99352

CUSTOMER PO NUMBER: PT43121		CUSTOMER PART NUMBER: SPIRIT-371850		PRODUCT DESCRIPTION: 5.400 LB/PC .500 LB/-0 LB 1.312 OD X .085 WALL ESRT	
KAISER ORDER NUMBER: 317608	LINE ITEM: 001	SHIP DATE: 09/10/2014	KAISER LOT NUMBER: 50751-279	ALLOY: 6061	TEMPER: O
WEIGHT SHIPPED: 10357.000 LB	QUANTITY: 1896.000 PCS	B/L NUMBER: 004542	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 13.984 FT
SHIP TO: PRECISION TUBE CO 287 WISSAHICKON AVENUE N. WALES, PA 19454 USA			SOLD TO: MUELLER INDUSTRIES, INC PRECISION TUBE 8285 TOURNAMENT DRIVE STE. 150 MEMPHIS, TN 38125 USA		



Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	%Elong in 2	HARDNESS	CONDUCT.	BEND
50751-279	0001	0001	19.4	8.0	18.8	N/A	N/A	N/A
50751-279	0001	0002	19.8	8.4	18.4	NA N/A	N/A	N/A
50751-279	0001	0003	20.0	8.7	18.4	NA N/A	N/A	N/A
50751-279	0001	0004	20.5	8.6	18.4	NA N/A	N/A	N/A
50751-279	0001	0005	19.6	8.3	18.4	NA N/A	N/A	N/A
50751-279	0001	0006	20.5	8.9	18.3	NA N/A	N/A	N/A
50751-279	0001	0007	20.2	9.0	17.4	NA N/A	N/A	N/A
50751-279	0001	0008	19.4	8.2	19.2	NA N/A	N/A	N/A
50751-279	0001	0009	20.7	8.9	19.2	NA N/A	N/A	N/A
50751-279	0001	0010	20.0	8.5	17.8	NA N/A	N/A	N/A
50751-279	0001	0011	19.3	8.1	19.5	NA N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	.0
F39004	.60	.33	.24	.05	1.04	.07	.06	.02	.00	.00	.00	.01	.02

Applicable Requirements:

ASTM-B241-12 NON-STENCILED ASTM-B221-13 ASTM-B345-11 AMS-QQ-A-200/8 97(R07) TYPE I
UNS#A96061 Also conforms to EN 10204 3.1

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00011041
Kaiser Order Number: 317608
Line Item: 001

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
2425 STEVENS DRIVE
RICHLAND, WA 99352

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

JOSEPH AMES, QUALITY MANAGER

Jph

KAISER ALUMINUM FABRICATED PRODUCTS

CERTIFIED TEST REPORT
http://Online.KaiserAluminum.com

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: M49312595-2		CUSTOMER PART NUMBER: 42558		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 216031	LINE ITEM: 002	SHIP DATE: 05/14/2014	KAISER LOT NUMBER: F00164585	ALLOY: 6061	TEMPER: T6
WEIGHT SHIPPED: 315.000 LB	QUANTITY: 196.000 PCS	B/L NUMBER: 216067	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: TW METALS INC 27 ENGLEHARD DRIVE EXIT 8A OFF NJ TPK MONROE TWP, NJ 08831 USA			SOLD TO: TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00164585	0001	1	46.9	43.6	17.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D72828	.59	.35	.20	.05	.95	.07	.04	.02	.00	.00	.00	.01	.03

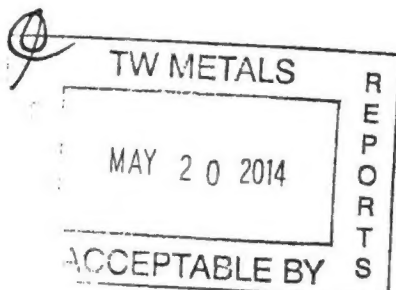
Applicable Requirements:

Description: OD: 0.625"; Wall: 0.065"; Round @
AMS-4082P AMS-WW-T-700/6B ASTM B210-12 WW-T-700/6F
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.

DAS
14
9-89 16/02/02

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
(DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
TRADE AGREEMENTS).



Plant Serial: 00017336
Kaiser Order Number: 216031
Line Item: 002

KAISER
ALUMINUM
FABRICATED PRODUCTS

CERTIFIED TEST REPORT

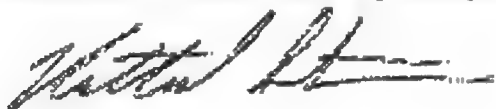
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Nathaniel Stevens, Quality Manager



Plant Serial: 00017336
Kaiser Order Number: 216031
Line Item: 002

KAISER ALUMINUM FABRICATED PRODUCTS

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: M49312595-2		CUSTOMER PART NUMBER: 42558		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 216031	LINE ITEM: 002	SHIP DATE: 05/14/2014	KAISER LOT NUMBER: F00164585	ALLOY: 6061	TEMPER: T6
WEIGHT SHIPPED: 315.000 LB	QUANTITY: 196.000 PCS	B/L NUMBER: 216067	DIAM/DAF/TRKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: TW METALS INC 27 ENGLEHARD DRIVE EXIT 8A OFF NJ TPK MONROE TWP, NJ 08831 USA			SOLD TO: TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00164585	0001	1	46.9	43.6	17.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D72828	.59	.35	.20	.05	.95	.07	.04	.02	.00	.00	.00	.01	.03

Applicable Requirements:

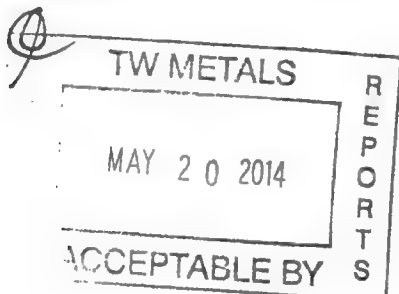
Description: OD: **0.625"**; Wall: **0.065"**; Round @
AMS-4082P AMS-WW-T-700/6B ASTM B210-12 WW-T-700/6F
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.

DAS
14
9-99

16/02/02

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
(DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
TRADE AGREEMENTS).



Plant Serial: 00017336
Kaiser Order Number: 216031
Line Item: 002

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Nathaniel Stevens, Quality Manager



KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: M49334285-1		CUSTOMER PART NUMBER: 42558		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 218488	LINE ITEM: 001	SHIP DATE: 07/31/2015	KAISER LOT NUMBER: F00194298	ALLOY: 6061	TEMPER: T6
WEIGHT SHIPPED: 501.000 LB	QUANTITY: 311.000 PCS	B/L NUMBER: 219444	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: TW METALS INC 235 WEST TUBEWAY DRIVE CAROL STREAM, IL 60188 USA			SOLD TO: TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00194298	0001	1	48.2	44.9	17.0	N/A	N/A	N/A
F00194298	0002	1	48.1	43.5	17.0	N/A	N/A	N/A

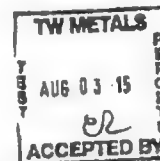
Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D82011	.58	.33	.22	.03	.99	.09	.09	.04	.00	.00	.00	.01	.02

Applicable Requirements:

Description: OD: 0.6250"; Wall: 0.0650"; Round
AMS-4082P AMS-WW-T-700/6B ASTM B210-12 WW-T-700/6F
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.

DAS
14
9-89
1/6/02/02



Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
(DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
TRADE AGREEMENTS).

Plant Serial: 00020018
Kaiser Order Number: 218488
Line Item: 001

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

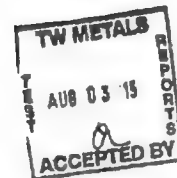
KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Nathaniel Stevens, Quality Manager

Nathaniel Stevens



Plant Serial: 00020018
Kaiser Order Number: 218488
Line Item: 001

C

KAISER ALUMINUM

FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: M49330211-1		CUSTOMER PART NUMBER: 42588		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 218040	LINE ITEM: 001	SHIP DATE: 04/13/2015	KAISER LOT NUMBER: F00185885	ALLOY: 6061	TEMPER: T6
WEIGHT SHIPPED: 366.000 LB	QUANTITY: 132.000 PCS	B/L NUMBER: 218440	DIA/M/DIA/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: TW METALS INC 27 ENGLEHARD DRIVE EXIT 8A OFF NJ TPK MONROE TWP, NJ 08831 USA			SOLD TO: TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON% IACS	BEND
F00185885	0001	1	45.9	44.0	16.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

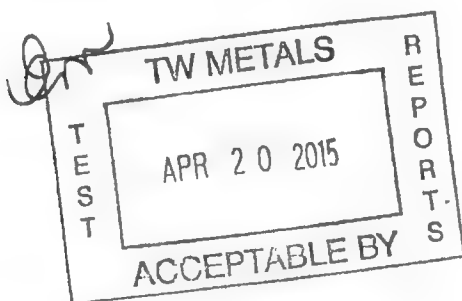
LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D39623	.57	.26	.22	.04	1.01	.06	.01	.02	.00	.00	.00	.01	.02

Applicable Requirements:

Description: OD: 0.6250"; Wall: 0.1250" Round @
AMS-4082P AMS-WW-T-700/6B ASTM B210-12 WW-T-700/6F
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
(DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
TRADE AGREEMENTS).



Plant Serial: 00019096
Kaiser Order Number: 218040
Line Item: 001

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Linda Adkins, Quality Manager

Linda Adkins

Plant Serial: 00019096

Kaiser Order Number: 218040

Line Item: 001

MILL TEST REPORT

Purchaser.: TW METALS-Cranbury				Certificate No.: 15-8-138					
Contract No.: TWM P.O.No.: M49330967				Date of Issue.: 2015.8.31					
Commodity: Stainless Steel Seamless Tubes				Specifications: ASTM A213-14/ASME SA213-19/ASTM A269-14 EAW					
Process: Cold Drawn				Delivery Condition: OD Polished to 240 Grit					
Steel Grade	Heat Number	Lot Number	Dimensions			Quantity			
						Pieces	Feet		
TP304/TP304L	YX1503-612	7-78	3/4" x 0.049" x 20'			350	7,000		
Chemical Composition by Weight (%)									
Element	C	Mn	P	S	Si	Cr	Ni	Mo	Co
Requirements	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	18.00-20.00	8.00-12.00	-	-
Ladle Analysis	0.012	0.63	0.033	0.002	0.33	18.20	8.05	-	-
Product Analysis	0.024	0.65	0.033	0.003	0.37	18.18	8.37	-	-
Mechanical Properties									
Test Item	Elongation (% in 2")		Tensile Strength (PSI) Rm			Yield Strength (PSI) Rp / 0.2%			
Requirements	≥35		≥75,000			≥30,000			
Test Results	63/64		93,000/94,000			36,000/37,000			
Test Item	Reduction of Area Z (%)	Hardness	Cold Bend Test	Flaring Test	Flattening Test	Flange Test	P.M.I. Test		
Requirements	-	HRB≤80	-	22%	e=0.09	-	-		
Test Results	-	76/78	-	Passed	Passed	-	OK		
Test Item	Eddy Current Test	Air Underwater Pressure Test	Ultrasonic Test	Intergranular Corrosion Test	Macroscopic Inspection				
Requirements	ASTM E 426	-	-	ASTM A262 E	End Cut	Appearance			
Test Results	Passed	-	-	OK	OK	OK			

ISO 9001:2008 Certified by Intertek 110703068

PED Certified by SZUTEST 2195-PED-1221604

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-14
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) In Compliance with RoHS Stipulation
- (7) No weld repair performed
- (8) Free from mercury contamination
- (9) Free from radioactive contamination
- (10) Billets melt and pipes/tubes manufactured in China
- (11) All tubes 100% PMI tested
- (12) All tubes 100% Eddy Current tested

DAS

14

9-39

16/02/02

**CANNOT CERTIFY COMPLIANCE
FAR BAA / DFARS BAA / FAR TAA**



By:

James Shi

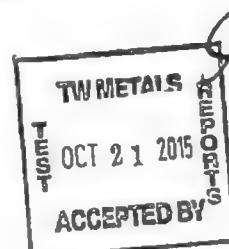
James Shi / Manager

Quality Control Department

We hereby certify that this report is true and correct.

Shanghai Pufa Stainless Steel Pipe Factory

No. 59, Shuangye Road, Wanggang, New Pudong District, Shanghai, China





GREENVILLE TUBE COMPANY LLC Material Test Report per EN 10204 3.1

P.O. Box 389
Greenville Tube Company
Janesville, WI 53547
PHONE 1-800-660-5810 FAX 1-608-531-0422

CUSTOMER: TW METALS
P O BOX 644
EXTON, PA 19341-0644

SHIPPED TO: TW METALS INC.
27 ENGLEHARD DRIVE
DFARS

ORDER NUMBER GV407749/1
PART ID CS0125035530403JAS03
FINISH Cold Drawn, Bright Annealed
DATE CERTIFIED 6/29/2014
TESTS PERFORMED

MONROE TWP, NJ 08831



HARDNESS 66/60 RB

ROCKWELL HARDNESS CONVERTED FROM 15-T SCALE

TENSILE STRENGTH	YIELD STRENGTH	ELONGATION	EDDY CURRENT
87368 PSI	38564 PSI	50%	Pass
84315 PSI	32803 PSI	55%	Pass
		FLARE	Pass
		FLAT	Pass

CHEMICAL ANALYSIS

HEAT NUMBER 535320

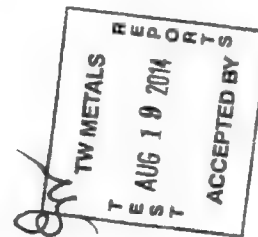
TYPE 304/304 L SEAMLESS

C	Mn	P	S	Si	Ni	Cr	Mo	Ti	N	Fe	Ta	Nb(Cb)+Ta	Cu	Nb(Cb)	Al	Co
L .012	1.67	.027	.009	.31	10.10	18.33							.26			.089
P .012	1.65	.028	.010	.34	10.14	18.36							.26			.087

"I HEREBY CERTIFY THAT THE HEAT NUMBERS, ANALYSIS AND TESTS DETAILED HEREON, ARE CORRECT AS CONTAINED IN THE RECORDS OF THIS CORPORATION"

Country of Manufacture: United States of America Country of Melt: Sweden

Pieces: Footage:





GREENVILLE TUBE COMPANY LLC Material Test Report per EN 10204 3.1

P.O. Box 389
Janesville, WI 53547
PHONE 1-800-660-5810 FAX 1-608-531-0422

CUSTOMER: TW METALS

ORDER NUMBER GV407749/1 PO Number M 49316141 EXTON, PA 19341-0644 P O BOX 644

PART ID CS012503530403IAS03

DESCRIPTION .125 OD X .035 AW 304/304L SMLS Tube
SPEC ASTM-A-269-14e1/A-213-14/SA-213-13

COMMENTS TAG PO M 49316141 // PIN 35714

TW METALS SUPPLIER REQUIREMENTS: CP49-7.4.2-005

FAR BAA ☒ Complies; ☐ Cannot certify compliance DFARS BAA ☒ Complies; ☐ Cannot certify compliance FAR TAA ☒ Complies; ☐ Cannot certify compliance

Greenville Tube certifies "NO WELD REPAIR" was performed on tubing supplied on above P.O. NO.

MANUFACTURED IN USA

DFARS Compliant

IMPORTANT NOTICE: ANY DISCREPANCY IN THE AMOUNT OF THE TUBING MUST BE REPORTED WITHIN 24 HOURS AFTER RECEIPT BY THE CUSTOMER.
Greenville Tube Company certifies that the material used to manufacture this product is contamination-free from asbestos, terfen, mercury, lead, sulfur or any special metal alloy which is liquid at ambient temperature. This product is compliant with the European Community RoHS Directive 2011/65/EU.
Greenville Tube Company Certifies the items represented by the information stated above conforms in all respects to the specification and to all other requirements stated in the purchase order.

SIGNED: _____

Material on this order was manufactured and shipped from Clarksville, AR, USA
F8.2.4.4 Rev 2



SHIPPED TO: TW METALS INC.
DFARS 27 ENGLEHARD DRIVE

MONROE TWP, NJ 08831



GREENVILLE TUBE COMPANY LLC

P.O. Box 389

GREENVILLE TUBE Company Janesville, WI 53547

PHONE 1-800-660-5810 FAX 1-608-531-0422

CERTIFICATE OF COMPLIANCE



ORDER NUMBER GV407749-1
Est. SHIP WEEK 9/26/2014
CUSTOMER PURCHASE ORDER NUMBER M 49316141
MATERIAL PART NUMBER CS0125035S30403JAS03
MATERIAL DESCRIPTION .125 OD X .035 AW 304/304L
MATERIAL SPECIFICATION Bright Solution Annealed A269/A213/SA213
HEAT Number 535320
MATERIAL CONDITION Bright Solution Annealed
MATERIAL FINISH Cold Drawn, Bright Annealed
DATE OF CERTIFICATION 6/29/2014

GREENVILLE TUBE HEREBY CERTIFIES THAT THE ITEMS REPRESENTED BY THE INFORMATION STATED ABOVE CONFORMS IN ALL RESPECTS TO THE SPECIFICATION AND TO ALL OTHER REQUIREMENTS STATED IN THE PURCHASE ORDER. ROHS COMPLIANT. CERTIFICATE OF COMPLIANCE IN ACCORDANCE WITH EN10204 3.1

SIGNED:

Aaron J. Hemund
Quality Technical
Services Manager

John M. Schmoker
Quality Technician

MILL TEST REPORT

Purchaser.: TW METALS-Cranbury				Certificate No.: 15-1-9					
Contract No.: TWM P.O.No.: M49321355				Date of Issue.: 2015.1.23					
Commodity: Stainless Steel Seamless Tubes				Specifications: ASTM A213-14/ASME SA213-13/ASTM A269-14 EAW					
Process: Cold Drawn				Delivery Condition: OD Polished to 240 Grit					
Steel Grade	Heat Number	Lot Number	Dimensions	Quantity					
				Pieces	Feet				
TP304/TP304L	YX1402-684	11-165	1/4" x 0.028" x 20'	200	4,000				
Chemical Composition by Weight (%)									
Element	C	Mn	P	S	Si	Cr	Ni	Mo	Co
Requirements	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	18.00-20.00	8.00-12.00	-	-
Ladle Analysis	0.015	0.62	0.032	0.003	0.39	18.23	8.05	-	-
Product Analysis	0.020	0.61	0.033	0.005	0.36	18.31	8.34	-	-
Mechanical Properties									
Test Item	Elongation (% in 2")	Tensile Strength (PSI)		Yield Strength (PSI)					
		Rm		Rp / 0.2%					
Requirements	≥35	≥75,000		≥30,000					
Test Results	61/62	92,000/93,000		37,000/38,000					
Test Item	Reduction of Area Z (%)	Hardness	Cold Bend Test	Flaring Test	Flattening Test	Flange Test	P.M.I. Test		
Requirements	-	HRB≤80	-	25%	e=0.09	-	-		
Test Results	-	76/78	-	Passed	Passed	-	OK		
Test Item	Eddy Current Test	Air Underwater Pressure Test	Ultrasonic Test	Intergranular Corrosion Test	Macroscopic Inspection				
Requirements	ASTM E 426	-	-	ASTM A262 E	End Cut	Appearance			
Test Results	Passed	-	-	OK	OK	OK			

ISO 9001:2008 Certified by Intertek 110703068

PED Certified by SZUTEST 2195-PED-1221604

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-14
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) In Compliance with RoHS Stipulation
- (7) No weld repair performed
- (8) Free from mercury contamination
- (9) Free from radioactive contamination
- (10) Billets melt and pipes/tubes manufactured in China
- (11) All tubes 100% PMI tested
- (12) All tubes 100% Eddy Current tested

CANNOT CERTIFY COMPLIANCE
FAR BAA / DFARS BAA / FAR TAA



By:

James Shi

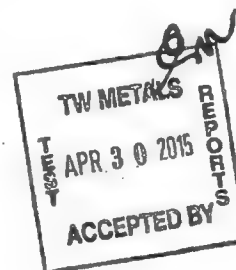
James Shi / Manager

Quality Control Department

We hereby certify that this report is true and correct.

Shanghai Pufa Stainless Steel Pipe Factory

No. 59, Shuangye Road, Wanggang, New Pudong District, Shanghai, China



MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6
DATE 16/02/02

PO - BATCH NO 31156/134138

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 108'
QUANTITY INSPECTED 108'
QUANTITY REJECTED _____

THICKNESS ORDERED T.500X.0584
THICKNESS RECEIVED T.500X.0584
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
NO PLANT DAMAGE	Y	(N)	
CORRECT TYPE	(Y)	N	
CORRECT ON	Y	(N)	
CORRECT RAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PROTODIRECTED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY DAS
14
9-89
DATE 16/02/02

SIGNED OFF BY _____
DATE _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061T6
 DATE: 16/02/02

PO / BATCH NO.: 31156/134138

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 60'
 QUANTITY INSPECTED: 60'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: T.625 X .0650
 THICKNESS RECEIVED: T.625 X .0650
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>16/02/02</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6
 DATE: 16/02/02

PO / BATCH NO.: 31156/134138

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48'
 QUANTITY INSPECTED: 48'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: T.625X.125W
 THICKNESS RECEIVED: T.625X.125W
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> DATE: <u>16/02/02</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 304
 DATE: 11/02/02

PO / BATCH NO.: 31156/134138

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 80'
 QUANTITY INSPECTED: 80'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: T.750X.049W
 THICKNESS RECEIVED: T.750X.049W
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-69</u> DATE: <u>11/02/02</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31156**

Purchase Order Date 1/27/2016

PO Print Date 1/27/2016

Page Number 1 of 3

Order From :

VU-TWM001

Ship To : DART AEROSPACE LTD

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

Contact Name

Vendor Phone 585 768 5600

Ship To Contact

Ship To Phone

Ship Via: YRC COLLECT

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

Terms

Currency

FOB

10127-2607

Net 30

USD

FCA - (Free Carrier)

JAN 27 2016

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6T0.500W.058	6061-T6 RD Tube .500 x.058W	2/4/2016 Yes 2/4/2016		100.00 1081 f	\$1.75	\$175.00
MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241							
Line Total:							\$175.00
2	M6061T6T0.625W.065	6061-T6 RD Tube .625 x.065W	2/4/2016 Yes 2/4/2016		60.00 ✓ f	\$3.15	\$189.00
MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241							
Line Total:							\$189.00

Note:

1/27/2016



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PURCHASE ORDER

Purchase Order ID **PO31156**

Purchase Order Date 1/27/2016

PO Print Date 1/27/2016

Page Number 2 of 3

Order From :

VU-TWM001

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 585 768 5600

Ship To Contact

Ship To Phone

Ship Via: YRC COLLECT

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

3	M6061T6T0.625W.125	6061-T6 RD Tube 0.625 X.125W	2/4/2016	40.00	✓ 40x	\$5.15	\$206.00
			Yes	f			
			2/4/2016				

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING
AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR
AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR
ASTM B241

Line Total: \$206.00

4	M304TR0.750W.049	304 RD Tube .750 x .049W	2/4/2016	80.00	✓	\$2.10	\$168.00
			Yes	f			
			2/4/2016				

MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING
AS PER ASTM A213 OR AMSE SA213 OR ASTM A269

Line Total: \$168.00

Note:

1/27/2016



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PURCHASE ORDER

Purchase Order ID PO31156

Purchase Order Date 1/27/2016

PO Print Date 1/27/2016

Page Number 3 of 3

Order From :

VU-TWM001

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 585 768 5600

Ship To Contact

Ship To Phone

Ship Via: YRC COLLECT

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

5	71401-45	PROCUREMENT QUALITY CLAUSES	2/4/2016	1.00	✓	\$0.00	\$0.00
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No

2/4/2016

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

2016 02-02

Line Total: \$0.00

PO Total: \$738.00

KCL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 1/27/2016